



Atty. Dkt. No. 042098-0103

DFW  
2873

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Bruno BERGE

Title: DROP CENTERING DEVICE

Appl. No.: 09/937,508

Filing Date: 5/22/2002

Examiner: Darryl J. Collins

Art Unit: 2873

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 CFR §1.56**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Submitted herewith on Form PTO/SB/08 is a listing of documents known to Applicant in order to comply with Applicant's duty of disclosure pursuant to 37 CFR §1.56.

A copy of each non-U.S. patent document and each non-patent document is being submitted to comply with the provisions of 37 CFR §1.97 and §1.98.

The submission of any document herewith, which is not a statutory bar, is not intended as an admission that such document constitutes prior art against the claims of the present application or that such document is considered material to patentability as defined in 37 CFR §1.56(b). Applicant does not waive any rights to take any action which would be appropriate to antedate or otherwise remove as a competent reference any document which is determined to be a *prima facie* art reference against the claims of the present application.

**TIMING OF THE DISCLOSURE**

The listed documents are being submitted in compliance with 37 CFR §1.97(b), within three (3) months of the filing date of the application and prior to the issuance of a first Office Action in the present RCE.

**RELEVANCE OF EACH DOCUMENT**

Documents A1-A12 are in English.

Document A13 relates to the relationship between the phenomena of electrical charge and capillarity.

Document A14 relates to electrocapillarity and wetting of insulator films by water. An English abstract is included in the document.

Document A15 relates to the phenomenon of electrocapillarity.

Applicant respectfully requests that each listed document be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO/SB/08 be returned in accordance with MPEP §609.

The Commissioner is hereby authorized to charge any additional fees which may be required regarding this application under 37 CFR §§ 1.16-1.17, or credit any overpayment, to Deposit Account No. 19-0741. Should no proper payment be enclosed herewith, as by a check being in the wrong amount, unsigned, post-dated, otherwise improper or informal or even entirely missing, the Commissioner is authorized to charge the unpaid amount to Deposit Account No. 19-0741.

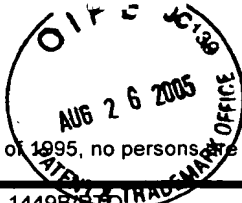
Respectfully submitted,

Date August 26, 2005

By *Richard L. Schwaab*

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MODIFIED PTO/SB/08 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

<b>Substitute for form 1449B/PTO</b> <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  Date Submitted: August 26, 2005 <i>(use as many sheets as necessary)</i>		<b>Complete if Known</b>	
		Application Number	09/937,508
Sheet 1 of 2		Filing Date	5/22/2002
		First Named Inventor	Bruno BERGE
		Group Art Unit	2873
		Examiner Name	Darryl J. Collins
		Attorney Docket Number	042098-0103

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			

FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.		T <sup>6</sup>
	A1	J.A.M. SONDAG-HUETHORSTE et al., "Electrical Double Layers on Thiol-Modified Polycrystalline Gold Electrodes", Journal of Electroanalytical Chemistry, 367, 1994, pp. 49-57.		
	A2	N.K. SHERIDON, "Electrocapillary Imaging Devices for Display and Data Storage", Xerox Disclosure Journal, Vol. 4, No. 3, May/June 1979.		
	A3	J.A.M. SONDAG-HUETHORST et al, "Potential-Dependent Wetting of Electroactive Ferrocene-Terminated Alkanethiolate Monolayers on Gold", Langmuir, Vol. 10, No. 11, American Chemical Society, 1994, pp. 4380-4387.		
	A4	R. GRAHAM, "A Variable Focus Lens and Its Uses", J. Opt. Soc. Am., Vol. 30, 1994, pp. 560-563.		
	A5	W.J.J. WELTERS et al., "Fast Electrically Switchable Capillary Effects", Langmuir, 1998, pp. 1535-1538.		
	A6	J.L. JACKEL et al., "Electrowetting Switch for Multimode Optical Fibers", Appl. Opt., Vol. 22, No. 11, June 1, 1983, pp. 1765-1770.		
	A7	E. COLGATE et al., "An Investigation of Electrowetting-based Microactuation", J. Vac. Sci. Technol., 1990, pp. 3625-3632.		
	A8	M. VALLET et al., "Electrowetting of Water and Aqueous Solutions on Poly(ethylene terephthalate) Insulating Films", Polymer, Vol. 37, No. 12, 1996, pp. 2465-2470.		
	A9	G. BENI et al., "Electro-wetting Displays", Appl. Phys. Lett., Vol. 38, No. 4, Feb. 15, 1981, pp. 207-209.		
	A10	L.G. COMMANDER et al., "Microlenses Immersed in Nematic Liquid Crystal with Electrically Controllable Focal Length", Third European Optical Soc. Topical Meeting, May 11-12, 1995.		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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		Examiner Name	Darryl J. Collins		
Sheet	2	of	2	Attorney Docket Number	042098-0103

## NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>6</sup>
	A11	M. SATO, "Electrocapillarity Optical Switch", IEICE Trans. Commun., Vol. E77-B, No. 2, Feb. 1994, pp. 197-203.	
	A12	G. BENI et al., "Dynamics of Electrowetting Displays", J. Appl. Phys., Vol. 52, No. 10, Oct. 1981, pp. 6011-6015.	
	A13	G. LIPPMANN, "Relations Entre Les Phenomenes Electroniques Et Capillaires", Ann. Chim. Phys., 1875, pp. 494-549.	
	A14	B. BERGE, "Electrocapillarite Et Mouillage De Films Isolants Par L'eau", C. R. Acad. Sci. Paris 317, Ser. II, 1993.	
	A15	A. FROUMKINE, "Couche Double, Electrocapillarite, Surtension", Actual Sci., 1936.	

Examiner Signature		Date Considered	
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